

# PATENT ABSTRACTS OF JAPAN

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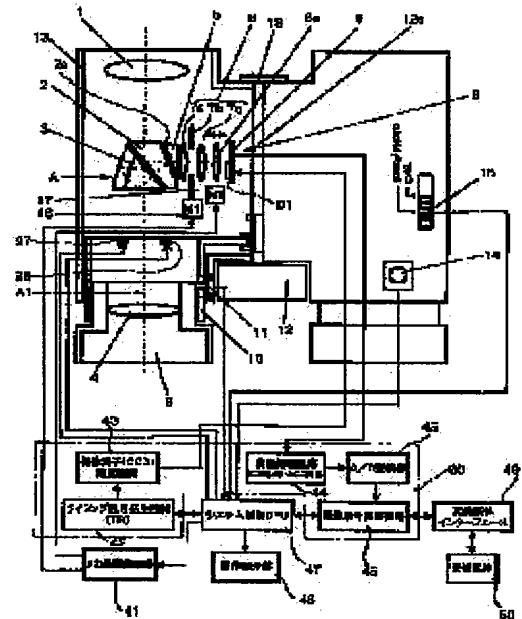
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## (54) BINOCULARS WITH PHOTOGRAPHING FUNCTION

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a pair of binoculars with photographing function capable of performing the focusing of a photographing optical system based on the positional information of an optical member for the focusing of an observation optical system.  
**SOLUTION:** The position of a first optical member 4 performing the focusing by being displaced in the optical axis A1 direction of the observation optical system A is detected by a detecting means 11. A second optical member performing the focusing by being displaced in the optical axis B1 direction of the photographing optical system B is displaced based on the positional information of the member 4, so that the focusing of the system B can be performed. In this case, a system control CPU 47 stores so-called climbing AF system data in a memory by which the definition of an image plane is detected by the video signal of an object, a focusing lens is searched at a position becoming a peak showing the definition, and focusing is performed, for example, as a system which becomes a base for reflecting calculated information to the focusing of the system B. The calculated information is used in order to perform the search of the focusing lens 6a in an adequately limited(controlled) range.



## LEGAL STATUS

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Reference numeral 9 is a support member of eyepiece lens 4, 10 a support frame supporting support member 9, 11 a detecting member (detecting method) such as a potentiometer detecting an absolute position of support member 9 as the absolute position of eyepiece lens 4, and 12 a focus adjustment dial in observation optical system A. This focus adjustment dial 12 is configured such that support frame 10 can be moved in a direction of optical axis A1 in observation optical system A by a rotating operation, as known well.